

1 **What is claimed is:**

2 1. A palm-size foldable computing and communication assembly for
3 personal users, the assembly comprising:

4 a first folding set functioning as a foldable computer and telephone set
5 made up of multiple folding segments, wherein a mobile phone, display
6 screen and computer components are respectively installed; and

7 a second folding set functioning as a foldable membrane keyboard set,
8 made up of multiple folding segments, wherein a keyboard and a battery are
9 respectively installed.

10 2. The assembly as claimed in Claim 1, wherein the first folding set is
11 formed by a first, second, third and fourth segment, with hinges on top and
12 bottom of adjacent segments interconnecting all the segments.

13 3. The assembly as claimed in Claim 2, wherein a CCD camera is
14 installed near the top inside the front panel of the first segment of the first
15 folding set, two telephone earpieces are installed with one on each side of
16 the CCD camera, a central mobile phone keypad with multiple keys is
17 installed in the central portion of the front panel, a microphone is installed
18 on the lower portion of the front panel, and a display screen is installed
19 between the CCD camera and the mobile phone keypad.

20 4. The assembly as claimed in Claim 2, wherein a power switch is
21 mounted in the upper portion of the right side panel of the first segment, and
22 a floppy drive slot is formed in the center portion of the right side panel of
23 the first segment, a volume control knob is mounted near the bottom, and a

1 earphone jack and a microphone jack are mounted between the power switch
2 and the floppy drive slot.

3 5. The assembly as claimed in Claim 2, wherein two USB ports are
4 fixed on the top portion of the left side panel on the fourth segment, a CD
5 slot in the center, and a charging jack in the lower portion.

6 6. The assembly as claimed in Claim 2, wherein a satellite receiver
7 with router option and a credit card sensor slot are mounted on the top panel
8 of the first segment, and an infra red transmitter port is mounted on the
9 bottom panel of the fourth segment.

10 7. The assembly as claimed in Claim 2, wherein an antenna and card
11 reader are respectively installed on the top panel of the second segment and
12 first segment on the first folding set.

13 8. The assembly as claimed in Claim 2, wherein a first infrared port
14 (140) is mounted on the bottom of the fourth segment (14) of the first
15 folding set.

16 9. The assembly as claimed in Claim 2, wherein a large-screen display
17 is mounted on the back panel of the second folding set when the second
18 folding set is fully expanded, and a touch keypad is mounted on the lower
19 portion of the back panel of the fourth segment.

20 10. The assembly as claimed in Claim 1, wherein when fully
21 expanded the second folding set is a standard membrane keyboard, formed
22 by a first second, third and fourth segment interconnected by hinges, with
23 multiple battery cells housed inside the four segments.

1 11. The assembly as claimed in Claim 9, wherein a track ball is
2 mounted on the lower portion of the front panel of the third segment of the
3 second folding set.

4 12. The assembly as claimed in Claim 9, wherein a second infrared
5 port is mounted on the top panel of the first segment of the second folding
6 set.

7 13. The assembly as claimed in claim 6, wherein the satellite receiver
8 provides the function of satellite VoIP data transmission.

9 14. The assembly as claimed in claim 6, wherein the satellite receiver
10 provides the function of multicast streaming.

11 15. The assembly as claimed in claim 6, wherein the satellite receiver
12 provides the function of wireless VoIP data transmission.